

LEGEND

- — — — — STORM DRAIN PIPE
- ROOF DOWNSPOUT
- ⊙ YARD DRAIN
- ▨ DISPERSION TRENCH
- FLOW DIRECTION
- ▨ NEW ADU ROOF AREA
- ▨ NEW PERMEABLE DRIVEWAY
- ▨ CRITICAL AREA

PTN OF THE NE 1/4, OF THE NE 1/4 OF SEC. 30, TWP 24N, RGE 05 E, W.M.

WANG & YANG ADU

MERIT ENGINEERING INC.
 10129 Main Street, #201
 Bellevue, Washington 98004
 Telephone: (425) 454-2133
 http://www.meritengineering.com

No.	Date	Revision

CALL 811 2 BUSINESS DAYS BEFORE YOU DIG (UNDERGROUND UTILITY LOCATION AS APPROX)

PROJECT:
WANG & YANG ADU
PARCEL # 302405-9004

SCALE	1" = 10'
DESIGNED	ZD
DRAWN	ZD
CHECKED	AY
APPROVED	AXH



FEB 21, 2024
 PERMIT SET
 THIS DOCUMENT HAS BEEN PREPARED FOR PERMIT APPLICATION AND IS SUBJECT TO REVIEW AND MODIFICATIONS BY GOVERNMENTAL AGENCIES

TITLE
DRAINAGE

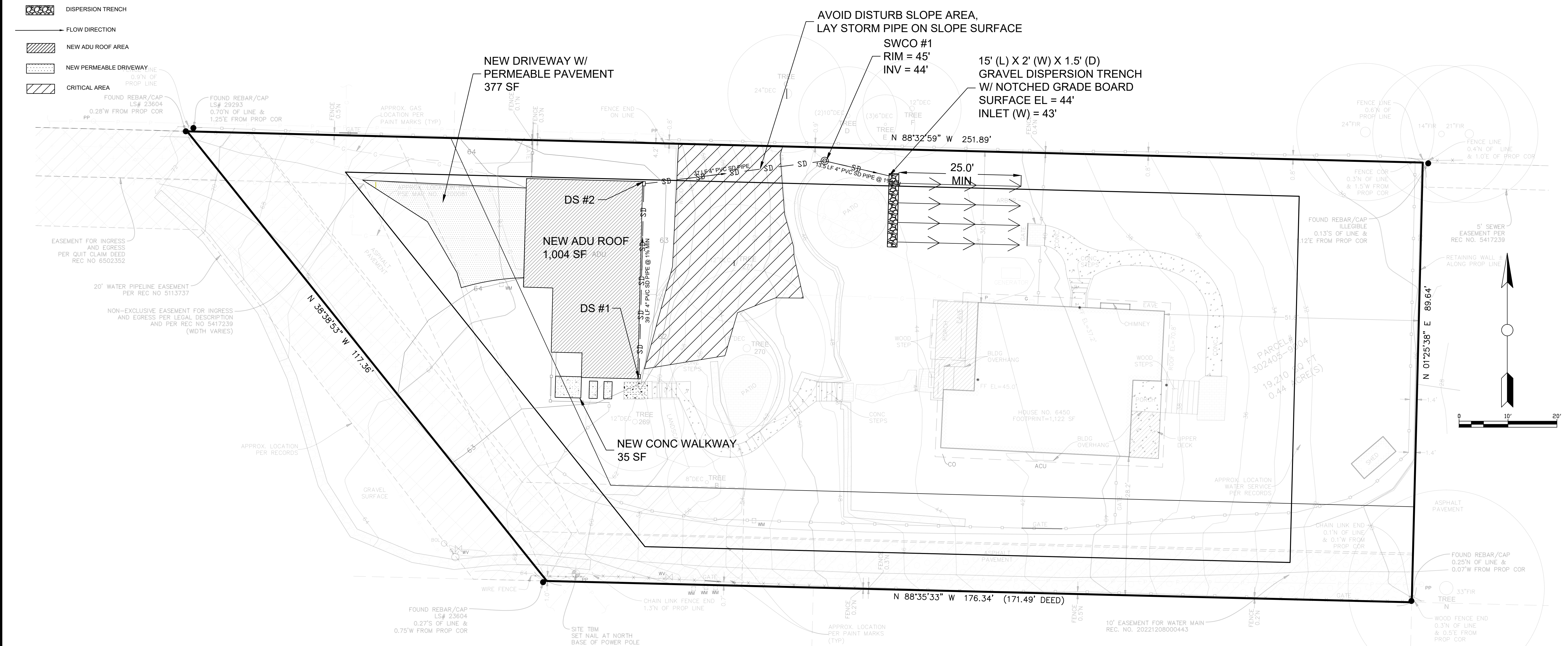
SITE PLAN

PROJECT No.
2EH03221024

DATE
FEB 21, 2024

SHEET No.
C 01

APPROVED FOR CONSTRUCTION
 By: _____
 Permit No.: _____
 Date: _____



PROJECT INFO

OWNER: BUPING WANG & WANQIU YANG	ENGINEER: MERIT ENGINEERING, INC 10129 MAIN ST., #201 BELLEVUE, WA 98004 TEL: 425-454-2133 EMAIL: merit@meritengineering.com
ARCHITECT: SIYAO STUDIO EMAIL: SIYAO@SIYAO.STUDIO TEL: 734-834-5994	SURVEYOR: PACIFIC COAST SURVEYS, INC. P.O. BOX 13619 MILL CREEK, WA 98082 TEL: 425-512-7099 FAX: 425-357-357

SITE NOTES:

ADDRESS:	6450 E MERCER WAY, MERCER ISLAND, WA 98040
TAX ACCOUNT No.:	302405-9004
ZONING:	R-15
GOVERNMENT AGENCY	CITY OF MERCER ISLAND
AREA:	19,270 SF
LEGAL DESCRIPTION:	SEE SURVEY NOTES

PROJECT IMPACTS:

IMPERVIOUS COVERAGE EXISTING:	
EXISTING DECK	274 SF
EXISTING DRIVING SURFACE	3,436 SF
GRAVEL SURFACE	532 SF
HOUSE	1,589 SF
RETAINING WALL	27 SF
ROCKERY	220 SF
SHED	34 SF
WALKWAY	561 SF
WOOD WALL	17 SF
TOTAL	6,690 SF

IMPERVIOUS SURFACE REPLACE:

CONCRETE	42 SF
GARAGE	409 SF
GRAVEL SURFACE	805 SF
WALKWAY	71 SF
TOTAL	1,327 SF

PROJECT IMPACTS CONTINUE:

IMPERVIOUS COVERAGE DEMO:	
CONCRETE	3 SF
GARAGE	118 SF
GRAVEL SURFACE	261 SF
TOTAL	382 SF

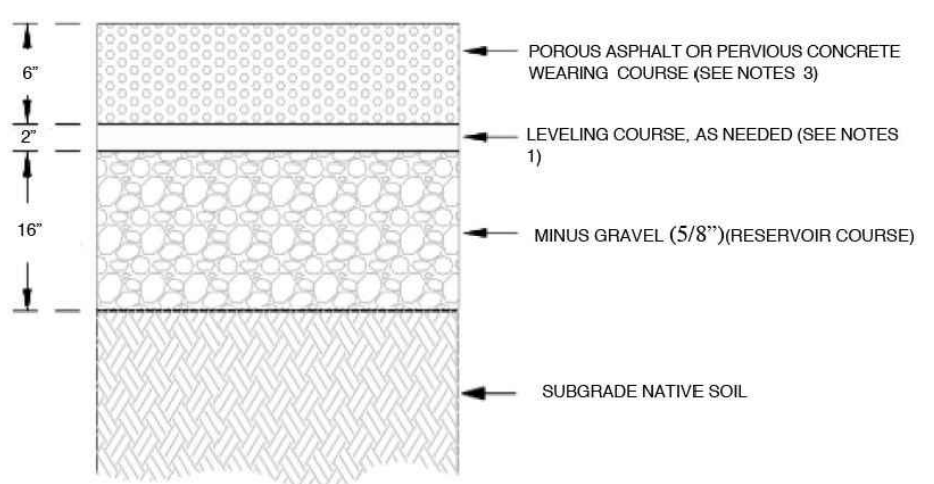
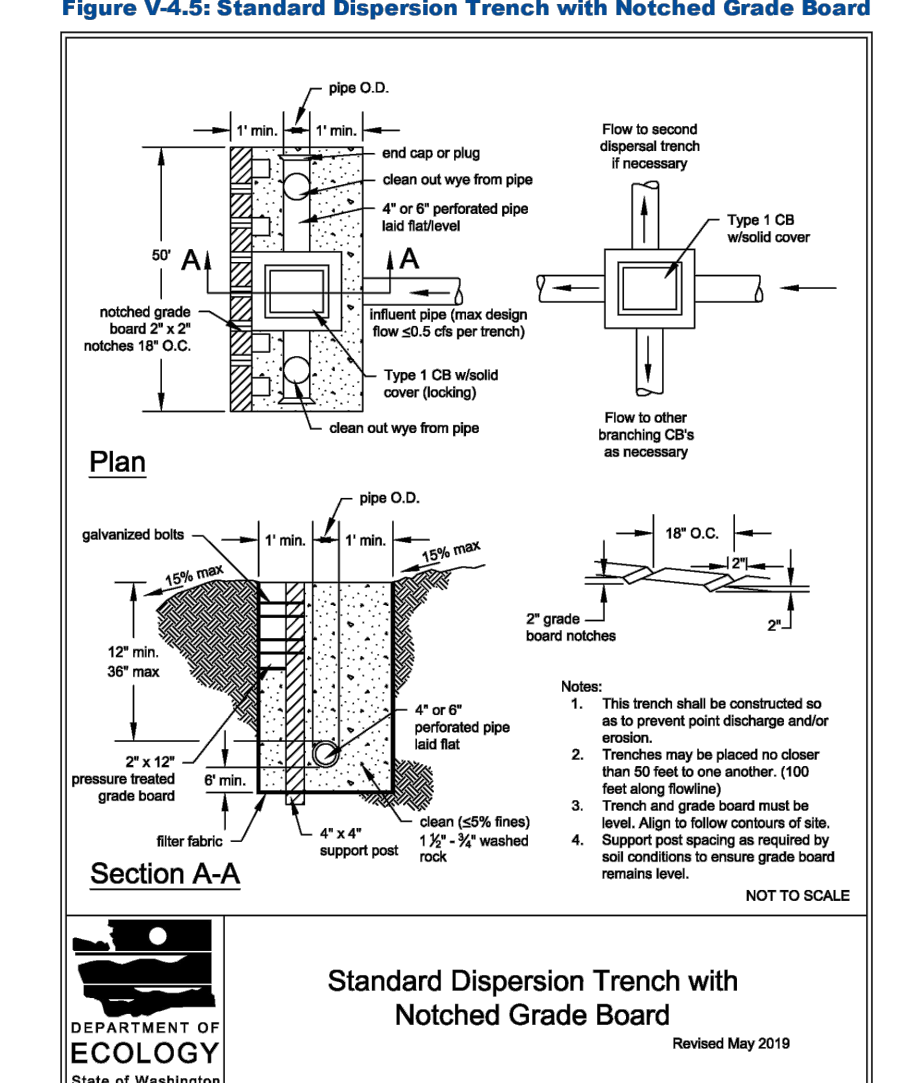
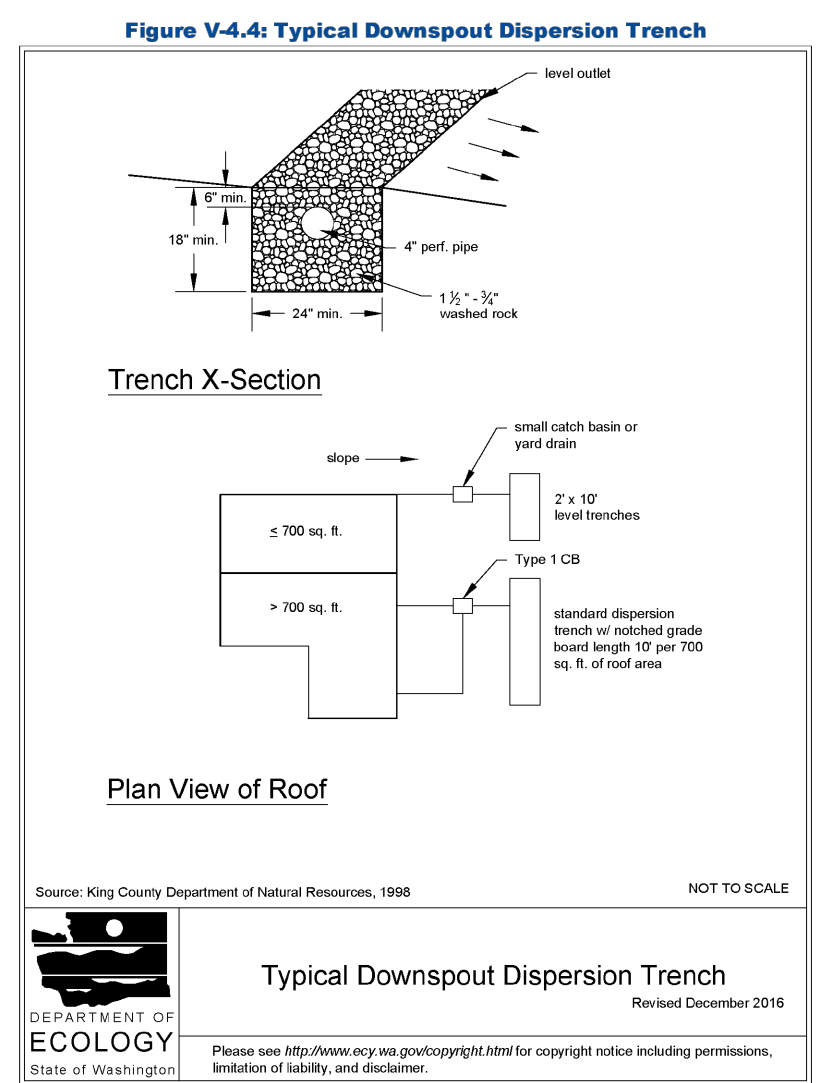
IMPERVIOUS SURFACE NEW:	
ADU	86 SF
WALKWAY	2 SF
TOTAL	88 SF

QUANTITIES:

EXTENT OF CLEARING:	3,600 SF
CUT/FILL	95 CY CUT

SHEET INDEX

SHEET #	PLAN #	DETAIL/SHEET
1	C 01	DRAINAGE PLAN
2	C 02	TESC PLAN
3	C 02.1	TESC DETAIL



1 C 01	DISPERSION TRENCH NTS	2 C 01	NOTCHED GRADE BOARD NTS	3 C 01	PERMEABLE PAVEMENT NTS
------------------	---------------------------------	------------------	-----------------------------------	------------------	----------------------------------

PTN OF THE NE 1/4, OF THE NE 1/4 OF SEC. 30, TWP 24N, RGE 05 E, W.M.

No.	Date	Revision

CALL 811 2 BUSINESS DAYS BEFORE YOU DIG
 (UNDERGROUND UTILITY LOCATION AS APPROX)

PROJECT:
WANG & YANG ADU
PARCEL # 302405-9004

SCALE	1" = 20'
DESIGNED	ZD
DRAWN	ZD
CHECKED	AY
APPROVED	AXH



FEB 21, 2024
 PERMIT SET
 THIS DOCUMENT HAS BEEN PREPARED FOR PERMIT APPLICATION AND IS SUBJECT TO REVIEW AND MODIFICATIONS BY GOVERNMENTAL AGENCIES

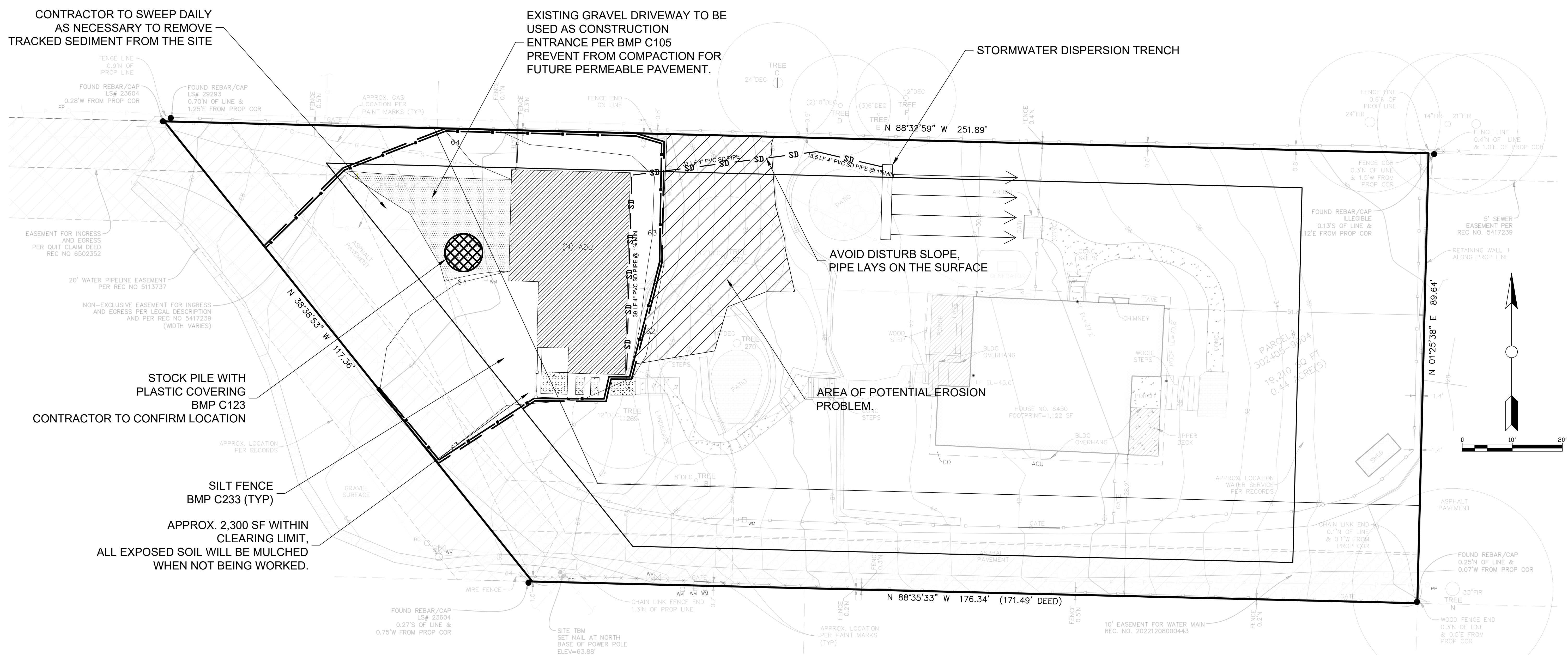
TITLE
TESC PLAN

PROJECT No.
2EH03221024

DATE
FEB 21, 2024

SHEET No.
C 02

APPROVED FOR CONSTRUCTION
 By: _____
 Permit No.: _____
 Date: _____



CESCL:
 DI ZHU
 ID#: EF8184699
 TEL: 253-391-7441

TESC LEGEND

- CONSTRUCTION ENTRANCE
- PLASTIC STOCK PILE
- SILT FENCE
- CLEARING LIMIT
- TREE PROTECTION
- CRITICAL AREA

QUANTITIES:	
EXTENT OF CLEARING:	3,600 SF
CUT/FILL	95 CY CUT

EROSION CONTROL NOTES: FROM SMMWW

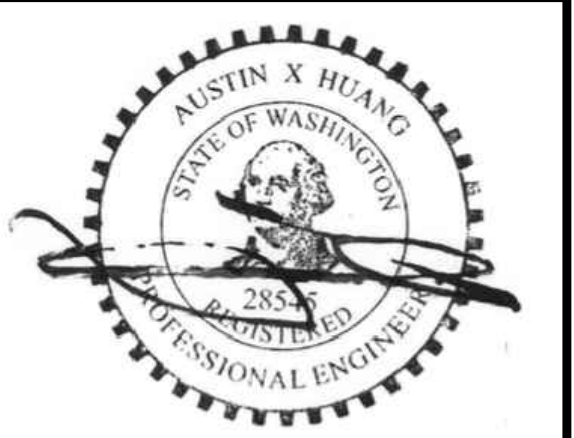
- THE IMPLEMENTATION OF THESE ESC PLANS AND THE CONSTRUCTION, MAINTENANCE, REPLACEMENT, AND UPGRADING OF THESE SC FACILITIES IS THE RESPONSIBILITY OF THE APPLICANT/ESC SUPERVISOR UNTIL ALL CONSTRUCTION IS APPROVED.
- THE BOUNDARIES OF THE CLEARING LIMITS SHOWN ON THIS PLAN SHALL BE CLEARLY FLAGGED BY A CONTINUOUS LENGTH OF SURVEY APE (OR FENCING, IF REQUIRED) PRIOR TO CONSTRUCTION. DURING THE CONSTRUCTION PERIOD, NO DISTURBANCE BEYOND THE CLEARING LIMITS SHALL BE PERMITTED.
- THE CLEARING LIMITS SHALL BE MAINTAINED BY THE APPLICANT/ESC SUPERVISOR FOR THE DURATION OF CONSTRUCTION.
- THE ESC FACILITIES SHOWN ON THIS PLAN MUST BE CONSTRUCTED PRIOR TO OR IN CONJUNCTION WITH ALL CLEARING AND GRADING SO AS TO ENSURE THAT THE TRANSPORT OF SEDIMENT TO SURFACE WATERS, DRAINAGE SYSTEMS, AND ADJACENT PROPERTIES IS MINIMIZED.
- THE ESC FACILITIES SHOWN ON THIS PLAN ARE THE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS. DURING THE CONSTRUCTION PERIOD, THESE ESC FACILITIES SHALL BE UPGRADED AS NEEDED FOR UNEXPECTED STORM EVENTS AND MODIFIED TO ACCOUNT FOR CHANGING SITE CONDITIONS (E.G., ADDITIONAL SUMP PUMPS, RELOCATION OF DITCHES AND SILT FENCES, ETC.).
- THE ESC FACILITIES SHALL BE INSPECTED DAILY BY THE APPLICANT/ESC SUPERVISOR AND MAINTAINED TO ENSURE CONTINUED PROPER FUNCTIONING. WRITTEN RECORDS SHALL BE KEPT OF WEEKLY REVIEWS OF THE ESC FACILITIES DURING THE WET SEASON (OCT. 1 TO APRIL 30) AND OF MONTHLY REVIEWS DURING THE DRY SEASON (MAY 1 TO SEPT. 30).
- ANY AREAS OF EXPOSED SOILS, INCLUDING ROADWAY EMBANKMENTS, THAT WILL NOT BE DISTURBED FOR TWO DAYS DURING THE WET SEASON OR SEVEN DAYS DURING THE DRY SEASON SHALL BE IMMEDIATELY STABILIZED WITH THE APPROVED ESC METHODS (E.G., SEEDING, MULCHING, PLASTIC COVERING, ETC.).
- ANY AREA NEEDING ESC MEASURES THAT DO NOT REQUIRE IMMEDIATE ATTENTION SHALL BE ADDRESSED WITHIN FIFTEEN (15) DAYS.
- THE ESC FACILITIES ON INACTIVE SITES SHALL BE INSPECTED AND MAINTAINED A MINIMUM OF ONCE A MONTH OR WITHIN FORTY EIGHT (48) HOURS FOLLOWING A STORM EVENT.
- AT NO TIME SHALL MORE THAN ONE (1) FOOT OF SEDIMENT BE ALLOWED TO ACCUMULATE WITHIN A CATCH BASIN. ALL CATCH BASINS AND CONVEYANCE LINES SHALL BE CLEANED PRIOR TO PAVING.
- THE CLEANING OPERATION SHALL NOT FLUSH SEDIMENT-LADEN WATER INTO THE DOWNSTREAM SYSTEM.
- STABILIZED CONSTRUCTION ENTRANCES AND ROADS SHALL BE INSTALLED AT THE BEGINNING OF CONSTRUCTION AND MAINTAINED FOR THE DURATION OF THE PROJECT. ADDITIONAL MEASURES, SUCH AS WASH PADS, MAY BE REQUIRED TO ENSURE THAT ALL PAVED AREAS ARE KEPT CLEAN FOR THE DURATION OF THE PROJECT.
- ANY PERMANENT FLOW CONTROL FACILITY USED AS A TEMPORARY SETTLING BASIN SHALL BE MODIFIED WITH THE NECESSARY EROSION CONTROL MEASURES AND SHALL PROVIDE ADEQUATE STORAGE CAPACITY. IF THE FACILITY IS TO FUNCTION ULTIMATELY AS AN INFILTRATION SYSTEM, THE TEMPORARY FACILITY MUST BE GRADED SO THAT THE BOTTOM AND SIDES ARE AT LEAST THREE FEET ABOVE THE FINAL GRADE OF THE PERMANENT FACILITY. WHERE STRAW MULCH FOR TEMPORARY EROSION CONTROL IS REQUIRED, IT SHALL BE APPLIED AT A MINIMUM THICKNESS OF 2 TO 3 INCHES.
- PRIOR TO THE BEGINNING OF THE WET SEASON (OCT. 1), ALL DISTURBED AREAS SHALL BE REVIEWED TO IDENTIFY WHICH ONES CAN BE SEEDING IN PREPARATION FOR THE WINTER RAINS. DISTURBED AREAS SHALL BE SEEDING WITHIN ONE WEEK OF THE BEGINNING OF THE WET SEASON. A SKETCH MAP OF THOSE AREAS TO BE SEEDING AND THOSE AREAS TO REMAIN UNCOVERED SHALL BE SUBMITTED TO THE CITY INSPECTOR. THE CITY INSPECTOR CAN REQUIRE SEEDING OF ADDITIONAL AREAS IN ORDER TO PROTECT SURFACE WATERS, ADJACENT PROPERTIES, OR DRAINAGE FACILITIES.

No.	Date	Revision

CALL 811 2 BUSINESS DAYS BEFORE YOU DIG
 (UNDERGROUND UTILITY LOCATION AS APPROX)

PROJECT:
**WANG & YANG ADU
 PARCEL # 302405-9004**

SCALE	NTS
DESIGNED	ZD
DRAWN	ZD
CHECKED	AY
APPROVED	AXH



FEB 21, 2024
 PERMIT SET
 THIS DOCUMENT HAS BEEN PREPARED FOR PERMIT APPLICATION AND IS SUBJECT TO REVIEW AND MODIFICATIONS BY GOVERNMENTAL AGENCIES

TITLE
TESC DETAILS

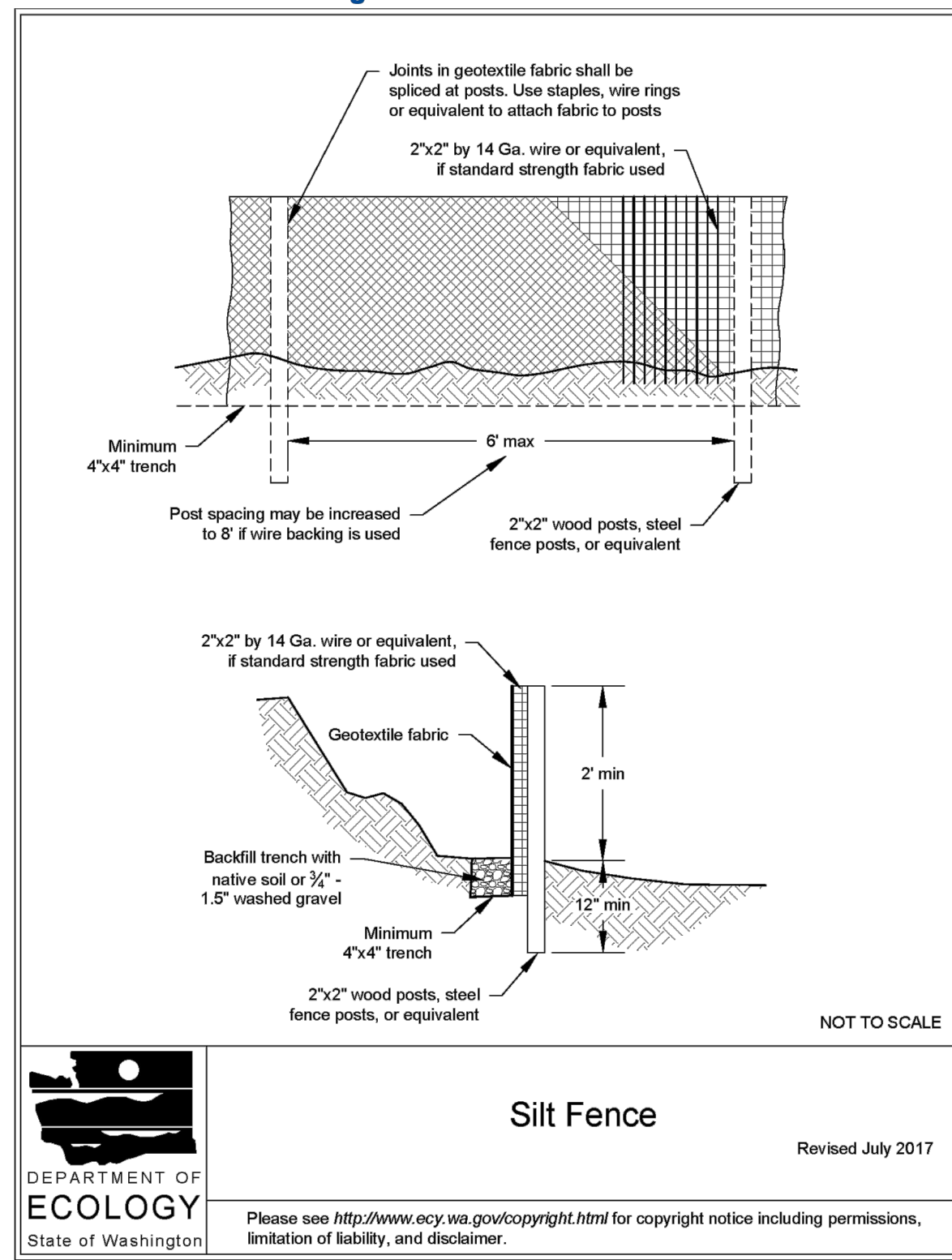
PROJECT No.
2EH03221024

DATE
FEB 21, 2024

SHEET No.
C 02.1

APPROVED FOR CONSTRUCTION
 By: _____
 Permit No.: _____
 Date: _____

Figure II-3.22: Silt Fence



Silt Fence

NOT TO SCALE

Revised July 2017

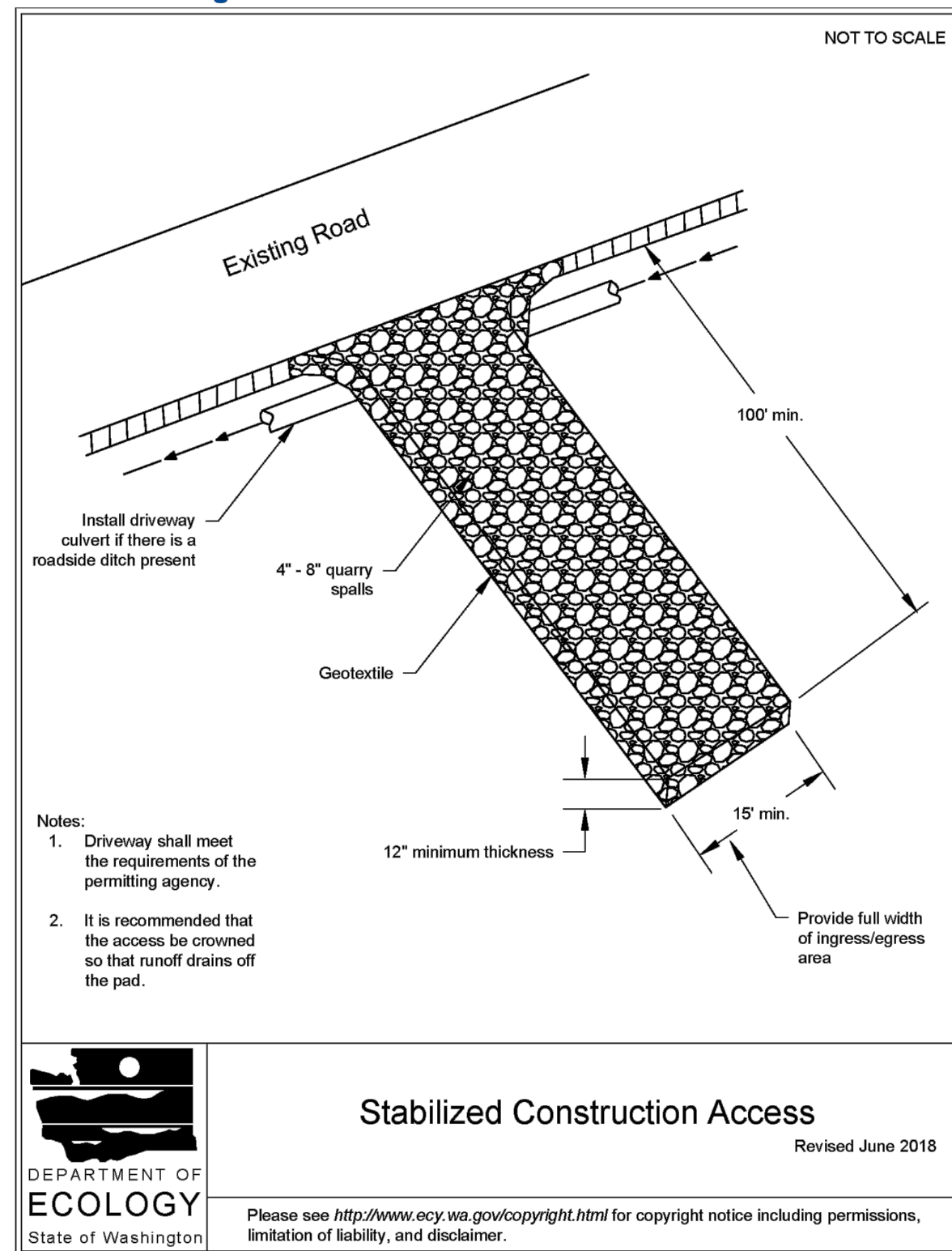


Please see <http://www.ecy.wa.gov/copyright.html> for copyright notice including permissions, limitation of liability, and disclaimer.

2019 Stormwater Management Manual for Western Washington
 Volume II - Chapter 3 - Page 371

1 **SILT FENCE DETAIL** NTS
 C 02.1

Figure II-3.1: Stabilized Construction Access



Stabilized Construction Access

Revised June 2018



Please see <http://www.ecy.wa.gov/copyright.html> for copyright notice including permissions, limitation of liability, and disclaimer.

2019 Stormwater Management Manual for Western Washington
 Volume II - Chapter 3 - Page 279

3 **TEMPORARY CONSTRUCTION ENTRANCE** NTS
 C 02.1